

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Please enter the following rewritten claims:

1. (Currently Amended) A genus within the order Actinomycetales comprising An isolated marine actinomycete having an obligate requirement of sodium for growth and the presence of characteristic 16S rRNA sequences, wherein the marine actinomycete is a strain of Salinospora comprising an adenine at position 207 of a 16S RNA, a cytidine at position 366 of the 16S rRNA, a uridine at position 467 of the 16S rRNA, and a uridine at position 468 of the 18S rRNA.

2. (Currently Amended) A method for producing biomolecules a biomolecule, comprising

growth of a strain of culturing a marine actinomycete in a growth media, wherein the marine actinomycete is a member of a strain with an obligate requirement of sodium for growth and characteristic 16s rRNA sequences, and

collection of collecting the marine actinomycete or the growth media containing the biomolecules; and

extracting biomolecules from the marine actinomycete or the growth media, thereby producing the biomolecule.

3. (Original) The method as in claim 2, wherein the biomolecule is a pharmaceutical agent.

4. (Original) The method as in claim 3, wherein the pharmaceutical agent is an antibiotic agent.

5. (Original) The method as in claim 3, wherein the pharmaceutical agent is an antifungal agent.

6. (Original) The method as in claim 3, wherein the pharmaceutical agent is an anti-cancer agent.

7. (Original) The method as in claim 2, wherein the biomolecule is a product of a gene from heterologous organism.

8. (Original) A method for drug discovery comprising
growth of a strain of actinomycete with an obligate requirement of seawater for growth
and characteristic 16S rRNA sequences,
collection of the actinomycete or growth media, and
analysis of actinomycete or growth media for pharmacological activity.

9. (Original) The method of claim 8, wherein the analysis comprises an assay for
antibacterial activity.

10. (Original) The method of claim 8, wherein the analysis comprises an assay for
anti-viral activity.

11. (Original) The method of claim 8, wherein the analysis comprises an assay for
anti-cancer activity.

12. (Original) The method of claim 8, wherein the analysis comprises an assay for
anti-fungal activity.

Please enter the following new claims:

--13. (New) The isolated marine actinomycete of claim 1, further comprising an adenosine at position 1456 of the 16S rRNA.

14. (New) The isolated marine actinomycete of claim 1, comprising the nucleotide sequence of GenBank accession number AY040622.

15. (New) The isolated marine actinomycete of claim 1, comprising the nucleotide sequence of GenBank accession number AY040619.

16. (New) The isolated marine actinomycete of claim 1, comprising the nucleotide sequence of GenBank accession number AY040620.

17. (New) The isolated marine actinomycete of claim 1, wherein the marine actinomycete is a sediment-derived actinomycete.

18. (New) A method for producing a biomolecule, comprising
culturing a marine actinomycete of claim 1 in a growth media;
collecting the marine actinomycete or the growth media containing the
biomolecules; and
extracting biomolecules from the marine actinomycete or the growth
media, thereby producing the biomolecule.

19. (New) The method of claim 13, wherein the biomolecules is salinosporamide A.

20. (New) The method of claim 13, wherein the growth media comprises sodium at a concentration of 450 mM.--
